

Veterinary report

college of veterinary medicine university of illinois

Vol. 4 No. 2

Small Animal Clinic Addition Provides New and Improved Laboratory Space

The basement wing of the University of Illinois College of Veterinary Medicine's Small Animal Clinic—formerly an incomplete, bare, gravel-floored shell of a building—is now finished and contains ample laboratory and office space. The first occupants moved in during August, 1978, and the area is currently in full use.

A total of \$454,500 in construction funds was necessary to complete this lower level wing of the Small Animal Clinic. The new wing provides research laboratories in a variety of fields, including clinical endocrinology, internal medicine, microbiology, neurology, oncology, and ophthalmology.

The laboratories either provide research space that was not available before, or are an improvement over previous laboratory space.

According to Dr. Wayne Tompkins, head of the oncology (or tumor) research laboratory, "We've gained considerable space over our previous laboratory. The main thing, however, is that it's 'quality' space. We work mostly with chemical carcinogens and oncogenic viruses, and our previous laboratory did not meet the standards required by the National Institutes of Health for certain types of biohazardous experiments. The new facilities do meet these standards, and allow us to carry out a wider variety of experiments."

In addition, Dr. Tompkins praises the laboratory's location, explaining that the former laboratory was isolated. "Now there is more interaction possible between basic scientists and clinicians, and we're currently starting collaborative research programs," he says.

With more than twice as much space as before, the microbiology laboratory can now function much more efficiently. The laboratory provides space for epizootic research in swine, as well as support to the clinics in the form of culturing, antibiotic sensitivity testing, and serology tests for the diagnostic laboratory.

The clinical endocrinology laboratory does diagnostic function tests, as well as reproductive endocrinology research work with cattle and horses. "We hope to add more diagnostic procedures in the future," says Dr. Jim Hixon, who is in charge of the laboratory.

The ophthalmology laboratory also provides more space, with one room used for pinkeye research, and the other room currently used for research animals.

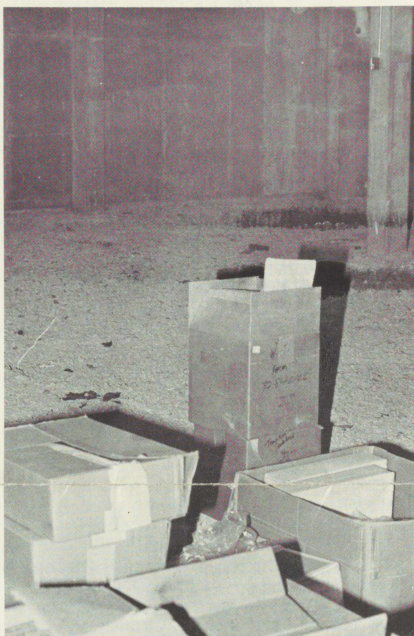
Veterinary Placement Service Offered by Students Again

Students at the University of Illinois College of Veterinary Medicine are offering their student placement service again. This year's service is under the direction of third year student Fred Mulch. Veterinarians looking for an associate for their practices should contact:

Student Veterinary Placement Service
Small Animal Clinic
College of Veterinary Medicine
University of Illinois
Urbana, Illinois 61801

The College of Veterinary Medicine includes an externship program in its curriculum to provide students with practical clinical experience during their senior year. Practices interested in participating in the externship program and in finding capable student help should also contact the placement service.

Two members of the University of Illinois student AVMA chapter will be at the ISVMA Convention in Chicago February 9-11 to explain the externship program and placement service and to arrange interviews with graduating seniors.

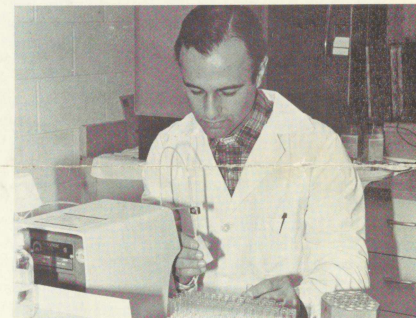
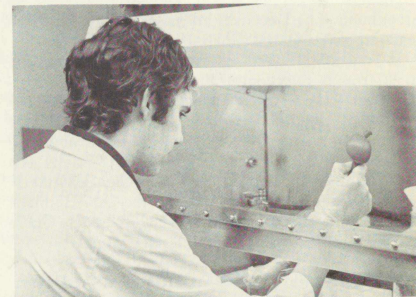


Before and after pictures of clinic basement provide stark contrast. Top right, technician Rich Weltzin uses the biological safety cabinet. Bottom right, Dr. Claudio Pimentel uses the micro-automatic pipette in his graduate research.

As the clientele continues to grow, however, that room may be used to examine patients as well as research animals.

Although the laboratories will still be improved as far as equipment goes, researchers currently have a wide range of equipment to choose from. For example, the neurology laboratory has a computer to aid them in their work with electromyographs (EMG), or the study of the function of muscles and peripheral nerves, and with electroencephalograms (EEG).

The internal medicine laboratory provides space for sophisticated diagnostic instruments, such as gastroscopes, bronchoscopes, proctoscopes, and a complete set of fiberoptic scopes, all of which were previously located in various areas of the Small Animal Clinic. The easier accessibility of the equipment in this new laboratory provides the clinical staff with the ability to



make an earlier diagnosis, and thereby determine more rapidly what, if any, corrective procedures are needed.

The endocrinology laboratory has obtained a micro-automatic pipette which allows one to accurately remove very small samples for analysis. Biological safety cabinets are available in the oncology laboratory, featuring a 100 ft/minute vertical air flow which protects the worker from potential infections resulting from air-borne biohazardous agents and also protects the biological materials from outside contamination. In addition, the laboratory contains a fume hood which is adapted for work with radioisotopes.

In spite of the fact that the new laboratories will continually be improved, the modern, efficient facilities they provide are certainly an improvement over empty basement space.

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College of Veterinary Medicine
University of Illinois
Urbana, Illinois 61801

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Thumbnail Sketches

Eleven join college faculty

DR. R. LENNART BACKSTROM joined the clinic staff as visiting professor of veterinary clinical medicine January 1. He comes to the college from a position as swine health officer and head of the Pig Health Scheme, Inc. in Skaraborg, Sweden. He also has a joint appointment as a lecturer in swine diseases at the Uppsala Field Station of the Royal Veterinary College. Dr. Backstrom received his DVM degree from the Royal Veterinary College in Stockholm, Sweden in 1961 and his PhD from the same institution in 1973.

Much of Dr. Backstrom's career has been spent on the faculty of the Royal Veterinary College or as an extension veterinarian for the National Veterinary Institute in Stockholm, but he also has been a meat inspector, a military veterinarian and in general practice during his career. Internationally, he is recognized as one of the leading swine veterinarians; and he has taught continuing education courses for veterinarians, animal scientists and farmers in Sweden, Denmark, Norway, Finland, Switzerland, Canada and the U.S. In 1973 he received a Docent in Animal Health and Management at the Royal Veterinary College in Stockholm. The Docent is an honorary title based on teaching and research capabilities.

In addition to his recognition as a veterinarian, Dr. Backstrom is an accomplished singer. While in veterinary school, he was also a student at the Royal Academy of Musics in Stockholm. He also attended the State Drama and Opera School in Gothenburg in 1976-78. Dr. Backstrom has sung professionally as a bass-baritone since about 1960 in Sweden, Denmark, Norway, Finland, Switzerland and the U.S. He made his professional opera debut at the Gothenburg Opera in 1978 as the toreador Escanillo in Carmen.

DR. JOSEPH M. CUMMINS, JR. joined the Department of Veterinary Pathobiology as a virologist and assistant professor during the fall. He came to the college from the University of Missouri College of Veterinary Medicine where he was a research associate while completing his PhD in veterinary microbiology and virology.

Dr. Cummins served in the U.S. Army Veterinary Corps for three years after receiving his DVM from Ohio State University in 1966. After his discharge from the service, he practiced for a year in Cincinnati, Ohio before beginning graduate studies at the University of Missouri. He returned to private small animal practice in Dayton, Ohio in 1972 and then resumed his graduate studies at Missouri in 1976. His virology research involved bovine respiratory tract viruses and the study of the interferon response in the nasal secretions and the serum.

DR. EVERETT H. HEATH joined the faculty as associate professor of anatomy in the Department of Veterinary Biosciences this fall. Since 1974 he has been involved in administration, research and teaching of veterinary anatomy at the University of Ibadan in Nigeria.

Dr. Heath received his VMD degree from the University of Pennsylvania in 1962, an MS degree in veterinary anatomy from Purdue in 1964 and his PhD from Pennsylvania in 1969. While studying for his PhD, Dr. Heath was on an NIH postdoctoral fellowship. He has taught veterinary anatomy and conducted research at Purdue, the University of Pennsylvania and the University of Minnesota as well as an earlier two-year stint in Nigeria before returning to the University of Ibadan in 1974.

Dr. Heath's research experience includes studies on the cytology of equine and bovine adenohypophysis, the cytology of equine and bovine spermatozoa, and alpha-chlorohydrin and related drugs as anti-trypanosomal agents. While in Nigeria, Dr. Heath also traveled to Ghana, Gambia, Kenya, Sudan and South Africa for consultation and meetings, mostly dealing with education or cattle and ruminant diseases such as trypanosomiasis.

DR. CHRISTOPHER J. HILLIDGE accepted a position as assistant professor of veterinary clinical medicine and joined the UI equine section January 1. Dr. Hillidge received his B. Sc. Physiology in 1965, his B. Vet. Med. and his MRCVS in 1969, and his PhD in

1973, all from the Royal Veterinary College at the University of London.

He spent four years on a research fellowship in the department of surgery and two on a research fellowship in the department of physiology. Since 1975 he has been a lecturer in the Department of Medicine at the Royal Veterinary College. Dr. Hillidge's clinical and research interests include: the development of non-invasive techniques for the assessment of equine cardiac function, studies of equine cardiac muscle isoenzymes, investigations of drugs affecting gut motility, and the application of biopsy techniques in the study of equine small intestinal function.

DR. DONNA F. KUSEWITT is a teaching associate and graduate student in veterinary pathobiology. Dr. Kusewitt received her DVM degree from the University of Missouri in 1977.

DR. MURLI MANOHR joined the staff as a visiting assistant professor of veterinary biosciences January 1. He comes to the college from the University of Wisconsin where he received a PhD in cardiovascular physiology. He taught experimental surgery and physiology at Wisconsin. Dr. Manohar also has his B.V.Sc. from Panjab Agricultural University in 1968, his M.V.Sc. in veterinary surgery from Haryana Agricultural University in 1970, and his PhD in circulatory physiology from Haryana in 1973.

DR. JAMES A. MATTHEWS is a teaching associate in veterinary clinical medicine. After receiving his DVM degree from the University of Illinois in 1976, Dr. Matthews practiced in Berwyn, Illinois.

DR. DAVID J. SULLIVAN has joined the staff of the diagnostic laboratory as a pathologist and associate professor of veterinary pathobiology. He comes to the college from a position as director of pathology for Industrial Bio-Test Laboratories in Decatur. Before that he was head of the department of pathology in Bio-Test's Decatur Research Laboratories.

Dr. Sullivan received his DVM from Michigan State University in 1943. Immediately after graduation, he served in the Army Veterinary Corps. From 1947 until 1951 he was in mixed practice in Wells, Minnesota before returning to the Veterinary Corps for three more years during the Korean War.

This is Dr. Sullivan's second stint at the University of Illinois College of Veterinary Medicine. From 1954-57 he was an instructor in veterinary pathology and hygiene while studying for his graduate degree.

In 1957, he began work for the Animal Disease Research Laboratory in Denver, Colorado as project leader in a study of neoplastic disease in food producing animals. Dr. Sullivan joined Sterling-Winthrop Research Institute in Rensselaer, New York in 1959 as a research biologist and group leader in pathology. From 1964-66 he was associate professor of pathology at the University of Tennessee-Atomic Energy Commission Agricultural Research Laboratory at Oak Ridge, Tennessee.

Dr. Sullivan became head of the department of pathology and toxicology for the pharmaceutical division of Pennwalt Corporation in Rochester, New York in 1966. The department was established under his direction. He stayed with Pennwalt until 1972. During the later years of this period, Dr. Sullivan also held part-time positions as assistant professor of laboratory animal medicine at the University of Rochester School of Medicine and Dentistry and as consulting pathologist for the Seneca Park Zoo in Rochester.

In 1972 Dr. Sullivan became manager of pathology at the Ardsley, New York plant of Ciba-Geigy Corporation. He joined Industrial Bio-Test Laboratories in 1974.

Dr. Sullivan is a charter fellow of the American College of Veterinary Toxicologists and a diplomate of the American College of Veterinary Pathologists. He is also secretary-treasurer of the Society of Pharmacological and Environmental Pathologists.

DR. JAMES R. SZABO is a teaching associate in veterinary pathobiology. Dr. Szabo received his DVM degree from the University of Illinois in 1977 and has practiced in Springfield since graduation.

Two veterinarians from Europe are presently visiting the University of Illinois Veterinary Medical Teaching Hospital. **DR. SAMUEL PAUL** from Zurich, Switzerland is a small animal clinician interested in several areas of medicine and surgery. He will stay with us for about a year to study, participate in the clinical work and exchange ideas. **DR. MARTIN WIERUP** is a clinical microbiologist from the College of Veterinary Medicine in Uppsala, Sweden. He will stay for about two months and will be doing research in Dr. A. R. Smith's clinical microbiology lab and with the equine and ambulatory sections on the intestinal flora of the horse.

Dean's Corner

by Dean Richard E. Dierks

This has been a busy and enjoyable year for us at the College. Changes continue and we look for more growth in the future years. We hope you've kept abreast of our changes through Veterinary Report. Let's take a look at a few of the things that are happening here.

The AVMA manpower study, known as the A.D. Little Report, has been published in summary form in the Journal of the AVMA. Manpower projections in Illinois and nationally have also been addressed by the ISVMA and were one of the major topics of discussion in our recent ISVMA-CVM workshop held at the Levis Faculty Center in Urbana. The general conclusions of that workshop will be published in the 1979 ISVMA convention proceedings. Methods of addressing areas of veterinary manpower utilization will also be the subject of a joint retreat between faculties of our college and Purdue University School of Veterinary Medicine that is now being planned.

As indicated in the last issue of Veterinary Report, I believe the emphasis we have and are placing on the College's programs are generally consistent with the A.D. Little Report recommendations. We are increasing our emphasis on postgraduate studies, continuing education, improved services and expanded research activities, thus providing additional employment opportunities for veterinarians. Changes like this always occur more slowly than we would like and must be done in a manner that also continues to improve the quality of all phases of our professional student programs.

Annual budgets for the University of Illinois, and therefore the College of Veterinary Medicine, are prepared and fixed with close to a two-year lead time; therefore, long-range planning and program documentation and justification occupy a large portion of our administrative efforts. Review of budgetary requests then occur at the campus, University, Board of Trustees, Illinois Board of Higher Education, legislative, and gubernatorial levels, often accompanied with reductions that reduce and slow down desired changes. This is mentioned to point out that even when there is full agreement on the desired changes that need to be implemented, it is usually a slow and laborious process to achieve those goals.

The Illinois legislature provided the bonding authority for the construction of buildings approved in Fiscal Year 1979 during their November session. This was the last major hurdle for the first buildings in the Food for Century III program. It is now anticipated that bids will be let for construction of the new Basic Sciences Building this coming summer, followed by a construction period of approximately two and one-half years. This building will be located adjacent to the northeast corner of the small animal hospital.

Construction of the two smaller swine confinement farrowing and growing units on our research farm should also occur during the spring and summer months.

Active planning for the next stages of the Food for Century III program, including additional swine and cattle facilities and an animal isolation building will also be a part of this year's effort. These buildings will be utilized almost totally to support food animal research activities in the College. Continuation of this building program will require a great deal of support from many people. We are asking for your continued support of the College's programs through contact with your state legislative representatives and others. We will be contacting many of you in future months for a small commitment of your time in support of this project.

The Federal Agricultural Bill of 1979 has provided authorization for the appropriation of funds in food animal disease research for colleges of agriculture and veterinary medicine. We have initiated a joint program with the Agricultural Experiment Station and are in the process of receiving support for this new activity. Part of this bill provides formula funding to our College and the Agricultural Experiment Station, while another portion provides a competitive grants program in animal disease research. Through collaborative efforts with our faculty and with the College of Agriculture, we are looking toward a sound expansion of our programs in infectious, parasitic, and noninfectious disease research of food animals. These activities again emphasize the need for the rapid completion of the food animal isolation facilities that we are requesting in the Food for Century III program.

The University of Illinois Foundation is developing a drive for expansion of their activities. As a part of that drive, the College of Veterinary Medicine will also be expanding its efforts to obtain private and corporate gifts in support of selected programs.

Many challenges and opportunities are being presented to us as we face the new year. Only by active communication can we gain each other's viewpoints and work toward mutually desired goals. I look forward to working with you during the coming year in realizing desired programs for the veterinary profession.

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Published four times annually by the University of Illinois College of Veterinary Medicine for its students, faculty, alumni and friends.

Editors: Terry Rathgeber and Tania Banak.

Anti-Cruelty Preceptorship Provides Unique Educational Opportunity for UI Student

The University of Illinois College of Veterinary Medicine in cooperation with the Anti-Cruelty Society of Chicago and the Chicago Veterinary Medical Association kicked off a unique preceptor or externship program for fourth year veterinary medical students during December. The program will expose selected students to cases which they would not usually experience at the University. The program is also unique in that it links a college of veterinary medicine with a humane organization and a local veterinary medical association in this endeavor.

The Anti-Cruelty Society shelter, consisting of a kennel and a privately funded, charity-only clinic, takes about 3,000 animals per month into the kennel and adopts out 500-700 of those. Veterinary services are provided at reduced fees to low-income pet owners, and emergencies are taken regardless of income level in an effort to improve emergency veterinary service in Chicago.

The new six-week-long Anti-Cruelty preceptorship at the shelter exposes University of Illinois students to an animal population base that is not available in Champaign-Urbana. In addition to more cases, students will see more accident-related injuries as well as the problems often associated with stray animal populations—poor nutrition, parasites and genetic problems. While working at the shelter, students will gain experience with preventive medicine and the surgeries associated with animal control problems—spays and castrations.

The preceptorship idea had its start two years ago when the Chicago VMA and the Anti-Cruelty Society were attempting to resolve the lack of veterinary service for indigents in Chicago. Dr. Erwin Small of the UI clinic staff joined the discussions and eventually a program was developed that would expose students to urban small animal problems. Under the agreement reached this summer, the Anti-Cruelty Society provides the opportunity and the supervisory staff, the college provides interested students and the Chicago VMA provides funds for a modest stipend to support the student during this preceptorship.

The first veterinary student to participate in one of the six-week preceptorships is Dan Withall, a native of Chicago. His term began in December, and he will

work with the society's three full-time veterinarians (Dr. William Fabian, Dr. Elias Sourí and Dr. Sarah Kaye) as well as three part-time staff (Dr. Ralph Holstein, Dr. Tom Johnson and Dr. Robert Storm), all members of the Chicago VMA.

As the details of the preceptorship were worked out, the college added a brief experience at Lincoln Park Zoo since this type of experience is also not readily available to UI students. During each preceptorship, students will spend two three-day visits at Lincoln Park Zoo gaining laboratory and clinical experience. At the zoo, they'll work under Dr. Erich Maschgan.

At the Anti-Cruelty Society's clinic, between 30-40 medical and surgical cases are handled each weekday with approximately 10-12 additional cases seen as out-patients on Saturday morning. Much of the clinical work is in surgery which encompasses adoption spays and neuters, soft tissue and bone trauma, genitourinary syndromes, tumor excision, chest and eye surgery plus many routine procedures found in general practice. Medical cases include hormone and integumentary disorders, gastro-intestinal and cardio-respiratory diseases and a few cases of peripheral or central nervous system conditions. As with surgery, many other types of medical cases typical of private practice are also handled.

Surgery is performed steadily throughout the 12-hour work day with the adoption spays and neuters done in the morning. Low-income spays and neuters are performed in the afternoon along with the non-routine corrective surgeries. Critical surgery cases are done as soon as possible.

The clinical laboratory provides all services except enzyme level determinations and blood mineral balance. Radiology is able to provide all the needed services for diagnosis confirmation.

Student preceptors are expected to work in all these areas, including anesthesia and surgical preparation. With the help of an assigned doctor, a student will work with out-patient cases and do a thorough work-up on specially picked cases. Daily rounds cover both the clinic and the kennels. Animals in the kennels, such as the injured strays or sick unwanted, are also treated so as to render them comfortable or adoptable.

The basic rotation for Withall and students who follow him is three weeks long and is completed twice.

During the first week, Withall was assigned to the Society's clinic under Dr. William Fabian (ILL '65). Weekday mornings start with brief rounds checking on the shelter animals. Dr. Fabian and Withall spend the rest of the morning caring for the in-patients at the clinic. During this time, x-rays are taken, treatments are made, and anesthesia and surgical preparation for spays and castrations are completed.

Afternoons of the first week are spent conducting a clinic for out-patients. The UI extern is responsible for clinic rounds. Withall obtains case histories, takes temperatures and assists in the diagnosis and treatment. Evenings until 11 p.m. are spent handling emergencies. And on Saturday morning, the extern assists in the inoculation clinic. The rest of each weekend is spent on emergency call.

The second week of the basic rotation is spent in surgery under the direction of Dr. Elias Sourí. Mornings are spent assisting with spays and castrations of shelter animals that are to be adopted. Afternoons are spent in the Society's clinic assisting with orthopedic and soft-tissue surgery. Evenings are spent with emergencies.

The third week starts with two days in the Society's clinical pathology laboratory working under the direction of Dr. Sarah Kaye. Activities in the laboratory include heart worm testing, blood testing and chemistries, parasite identification, skin scrapings, urinalyses and post-mortem examinations.

The last three days of the third week are spent at Lincoln Park Zoo with Dr. Erich Maschgan. During the zoo rotation, the extern assists with diagnosis, nutrition, treatment and therapy, radiography, anesthesia, surgery and in the clinical pathology laboratory on blood testing and parasite identification.

Leaders in developing this unique externship were Robert A. Brown, executive director of the Anti-Cruelty Society, Dr. Erwin Small of the University of Illinois College of Veterinary Medicine, Drs. Lester Fisher and Erich Maschgan of Lincoln Park Zoo, and Drs. Walter Zuschlag, Jorg Hoogeweg, Dan Parmer, Gene Koski, Jerry Needelman and Alan Frank of the Chicago Veterinary Medical Association. Dr. Zuschlag also serves on the board of directors of the Anti-Cruelty Society.

Student Open House Set for April 21

Plans for the annual UI College of Veterinary Medicine Open House and Veterinary Medical Education (VME) Week are already rolling, and Open House has been set for April 21, 1979 from 8:30 a.m. to 4 p.m. at the Veterinary Teaching Hospital on South Lincoln.

Faye Sturtevant, third year student and chairman of the Open House central committee, says Open House promises to be an appropriate crowning event for VME week. "The program is a coordinated effort by students," says Sturtevant. "And we've got a great variety of exhibits planned."

It is hoped that practitioners across the state will round VME Week out with local displays, by sponsoring special youth veterinary medicine science projects, or by organizing buses to bring people to Open House at the clinic facilities in Urbana.

Visitors to Open House will be able to see everything ranging from surgical facilities, to displays on the health and care of both large and small animals, or even a demonstration of Plato, the college's computerized learning facility. Information will be available on admissions and curriculum. And there will be a children's zoo, movies and special demonstrations on pet care, pleasure horse management, dairy goats, beef judging, and meats.

For copies of the Open House brochure or further information, write Faye Sturtevant, c/o Tania Banak, 257 Large Animal Clinic, University of Illinois College of Veterinary Medicine, Urbana, Illinois 61801.

Alumni Elect New Officers

New officers for the University of Illinois College of Veterinary Medicine Alumni Association were elected at the 59th Annual Fall Conference of the college September 8. Dr. Larry Baker, a 1969 graduate and a small animal practitioner in Decatur, will assume the presidency. The new president-elect is Dr. Frank A. Coble of Springfield, while the past president is Dr. Sheldon Rubin of Chicago.

Dr. Erwin Small of the University of Illinois clinic staff and Dr. George Richards of Danville were re-elected to their positions as executive secretary and liaison to the alumni association.

The veterinary alumni group's executive board for 1978-79 consists of Dr. Ron Nord, Normal; Dr. Richard Beville, Urbana; Dr. Sandra Siwe, Champaign; Dr. John Clayton, Polo; Dr. John Kelly, Elk Grove Village; and Dr. Robert Dodson, South Holland.

Illinois Racing Funds Provided For College Equine Research

Equine research at the University of Illinois College of Veterinary Medicine is growing rapidly, as evidenced by more than \$81,000 in research grants recently provided by the Illinois Standardbred Breeders Fund and the Illinois Thoroughbred Breeders Fund. The projects which have been funded include reproduction studies in mares and a variety of upper respiratory problem studies.

These funds, created by the Horse Racing Act of 1975, are budgeted by the State of Illinois Director of Agriculture. The money in the funds comes from betting at parimutuel tracks. How the funds should be utilized is determined in cooperation with the director by advisory boards representing each fund. One way the money is used is to fund equine research projects, and these grants to equine research in turn benefit the racing industry.

Research projects funded include "Embryonic loss in mares and effects on subsequent reproductive functions," under investigation by Drs. James E. Hixon, Ted Lock, and R. D. Scoggins, \$20,000; "Equine Health and Housing: a study of stable ventilation and its correlation with the incidence of respiratory disease," being investigated by Dr. Robert Cook, \$18,000; "Characterization and quantitation of diaphragmatic function of the horse," researched by Dr. John C. Thurmon, \$7,500; "The epidemiology of acute respiratory disease complex among race horses in Illinois" and "Cellular and chemical component profiles of venous blood among racing horses in Illinois," both under investigation by Dr. Bruce Thomson, \$13,000 and \$9,000 respectively; and "Relationship between equine epistaxis syndrome and equine ehrlichiosis," as studied by Dr. Miodrag Ristic, \$13,800.

According to Dr. Lock, who is working with the reproduction study on mares, the effects of embryonic loss on function of the ovaries will be investigated. Grant funds will support the research animals as well as provide equipment and supplies needed for the study.

Dr. Thomson, in cooperation with Drs. H. Hardenbrook, G. T. Woods, and Joseph Dörner, is working on two projects which will be carried out among Illinois race horses. The major project will describe the epidemiology of acute respiratory disease both as a clinical syndrome and by etiologic agent. It will define high-risk groups of horses and evaluate the conditions

which predispose acute cases to develop chronic sequelae.

The second project will provide data to define normal physiologic profiles in race horses, and to document changes in these profiles as caused by the development of acute and/or chronic respiratory problems.

Dr. Miodrag Ristic and co-workers have begun research to develop a serodiagnostic procedure which will identify equine ehrlichiosis. The disease is caused by an organism similar to the one which causes Rocky Mountain spotted fever, and is apparently transmitted by insects. Ehrlichiosis is manifested by fever, depression, swelling of the legs, and loss of appetite. The researchers also suspect a relationship between ehrlichiosis and nosebleeds in horses, and will test this hypothesis to see if it is true.

Other research that received grants includes Dr. Cook's study on stable ventilation, which should determine what correlation there is between ventilation and respiratory diseases such as pharyngitis, bleeding, bronchitis, and viral infections. And Dr. Thurmon's study of diaphragmatic function will help to explain the role of the diaphragm on pulmonary function during general anesthesia as well as the problems (e.g. mismatching of ventilation and perfusion, venous admixture, etc.) associated with abnormal positioning of horses anesthetized for long term surgical procedures.

Funds for this research were made possible through the coordinating efforts of Dr. Harry Hardenbrook, who serves the College of Veterinary Medicine as liaison officer between the Illinois Department of Agriculture, the College of Veterinary Medicine, and the Thoroughbred and Standardbred industries.

As the equine research program at the University of Illinois College of Veterinary Medicine continues to grow, the college is developing plans to establish an equine research center. Two of the round dairy barns near the Veterinary Medical Teaching Hospital have already been earmarked as the center's base of operation as soon as remodeling funds become available. Future plans also include the building of an exercise track, which will be useful in various physiology studies. The research center will greatly enhance the facilities available for equine research at the University of Illinois College of Veterinary Medicine, and college personnel are eagerly looking forward to its realization.

College Briefs

TWO RECEIVE BOARD CERTIFICATION

Two clinicians on the University of Illinois College of Veterinary Medicine Veterinary Medical Teaching Hospital (VMTH) staff recently received board certification. **Dr. William M. Adams III** is a diplomate of the American College of Veterinary Radiology, while **Dr. Alan H. Brightman II** is a diplomate of the American College of Veterinary Ophthalmologists.

Dr. Adams, who received his DVM from Iowa State University in 1973, completed an internship and medical residency in New York before beginning a 3-year radiology residency at the University of Pennsylvania School of Veterinary Medicine in 1975. Dr. Adams is currently a member of the University of Illinois VMTH's radiology department along with two other board-certified radiologists, a resident and two technicians. All UI radiology personnel work with both large and small animals on a rotating basis.

Dr. Brightman received his DVM from Kansas State University in 1974, and then served an internship in small animal medicine and surgery at the University of California, Davis. Dr. Brightman came to the University of Illinois in 1975 as a resident in ophthalmology. After completing his residency and a master's degree, he joined the University of Illinois veterinary faculty. Dr. Brightman's specialty serves both large and small animals. The ophthalmology section at the UI VMTH consists of four veterinary ophthalmologists and a resident.

200 ATTEND EQUINE CONFERENCE

Nearly 200 pleasure horse and race horse owners attended the third annual University of Illinois College of Veterinary Medicine Equine Conference on November 18-19 in Champaign and absorbed information on everything from horse psychology to horse health. Featured speakers included Dr. Jim Coffman of the University of Missouri, famed veterinary cartoonist Dr. Robert Miller from Thousand Oaks, California, and Dr. Jim Rooker of Davison, Michigan. The program was developed and coordinated by extension equine veterinarian **Dr. Dean Scoggins** and also included former faculty member **H. W. "Hank" Hannah** and 1965 alum **Dr. Oscar Swanstrom** as speakers. Three members of the equine clinic staff—**Dr. W. Robert Cook**, **Dr. Jim Baum** and **Dr. Ted Lock**—served as moderators for program sessions.

NEW AMBULATORY HEAD NAMED

Dr. Thomas McPherron of the college's food animal section has taken over the reins of the ambulatory section effective January 1. Dr. McPherron joined the UI staff in 1977 after practicing at Holyoke in northeastern Colorado since 1966. He received his DVM from Colorado State in 1966 and an MS degree in animal nutrition from the same institution in 1961.

600 ATTEND SWINE SEMINAR

Over 600 swine producers and veterinarians attended the Western Illinois Swine Health Seminar in Galesburg December 13. They came from throughout Illinois as well as seven other states to hear keynote speakers **Dr. Kent Kislingle** of Fairmont, Minn., **Dr. Lew Runnels** of Purdue, and **Dr. Richard Bevill** of the University of Illinois College of Veterinary Medicine staff. **Dr. LeRoy Biehl**, swine extension veterinarian, developed and coordinated the program. **Dr. Roger Pray**, a 1972 alum from Cambridge, also appeared on the program as did **Dr. Doug Hoefling** of the Galesburg Diagnostic Laboratory, who received his graduate degree from the University of Illinois College of Veterinary Medicine in 1970. And **Dean Richard Dierks** and **Dr. Borje Gustafsson** talked briefly with registrants about Food for Century III and swine research at the college.

NEW DRUG STUDIES IN PARASITOLOGY

Dr. Ken Todd of the college's parasitology section is working with three new research projects. He is evaluating new antiparasitic drugs for Merck and Company, Hoechst-Roussel Pharmaceuticals, and the Shell Development Company.

WOODS RECEIVES SPF AWARD

Dr. George T. Woods, professor of veterinary pathobiology, received the SPF Service Award at the annual meeting of the National Specific Pathogen Free Organization in Wichita, Kansas this summer. The award is presented annually to a veterinarian who has supported the SPF concept of controlling swine diseases. Dr. Woods has been a member of the National SPF Advisory Committee since its inception in 1970 and has made a great contribution to the SPF program. He is also active in the National Swine Repopulation Association.

FORMER DEAN HONORED

Dr. Carl Alfred Brandy, former Dean of the University of Illinois College of Veterinary Medicine, was recently recognized by the Conference of Research Workers in Animal Disease for the contributions he made to veterinary research. The research workers dedicated their annual meeting to Dr. Brandy and presented a plaque in honor of his work.

Throughout his career, Dr. Brandy's primary interests were teaching and research, and he worked to make an appreciation of research a part of professional veterinary training. In spite of many other demanding responsibilities, Dr. Brandy did extensive work with poultry diseases and epizootiology (or epidemics) of animal diseases, and was the first (in 1934) to use egg-grown virus to immunize animals against virus diseases. Much of his work laid the foundations for subsequent studies.

This is not the first recognition of his accomplishments. Kansas State University presented him with the distinguished alumni award in 1955, the Illinois State Veterinary Medical Association selected him as Veterinarian of the Year in 1958, and the American Veterinary Medical

Association presented him with the twelfth International Congress Prize in 1966. He also received an honorary degree from the Tierärztliche Hochschule of Hannover (Germany) in 1963 and was honored by the Royal College of Veterinary Surgeons (Great Britain) the following year.

COLLEGE SULFA RESEARCHERS RECEIVE ADDITIONAL FUNDS

Researchers at the University of Illinois College of Veterinary Medicine will continue their studies of problems associated with sulfa residues in swine this year with some \$300,000 in research funds. **Dr. Richard Bevill**, associate professor of veterinary pharmacology and project leader, says the money represents six different grants or contracts. He and fellow researchers **Drs. LeRoy Biehl**, **Gary Koritz** and **Manford Mansfield** have the following projects underway: An \$85,000 contract with USDA to analyze feed samples from farms that show sulfa residues in their market hogs as well as from farms that don't have violations; a \$62,000 contract with USDA to study the recycling of sulfas from animal wastes and its influences on the accumulation of residues in kidney, liver and muscle tissue as well as the effect of different types of flooring on the recycling of wastes and the accumulation of residues; an \$18,000 contract with USDA to evaluate feed mill samples provided by the American Feed Manufacturer's Association; a \$34,000 grant from Hoechst Pharmaceutical to study fenbendazole wormer residues; an unrestricted \$16,000 grant from Diamond-Shamrock, Inc. for research with sulfonamides; and an \$87,000 renewal of a current FDA contract to determine the merits of plasma as a screening method for sulfas, tetracyclines and penicillin.

Alumni Awards Presented to Noyes and Marsh

The University of Illinois College of Veterinary Medicine Alumni Association honored two Illinois veterinarians during the college's annual fall conference September 6-8.

Dr. Jack D. Noyes of Barrington received the Alumni Award of Merit, while **Dr. Herbert L. Marsh** of Princeton was given the association's Service Award. The Award of Merit is presented to an outstanding graduate of the college. Recipients are judged on the basis of their accomplishments and contributions to the veterinary profession. Their contributions in the areas of citizenship and community service are also emphasized. The Service Award is given to a non-alum of the University of Illinois College of Veterinary Medicine who has contributed significantly to the development of the college.

Dr. Noyes, a 1959 graduate of the University of Illinois College of Veterinary Medicine, has his own small animal hospital in Barrington and is probably best known for his work with heartworm disease in Illinois.

Dr. Noyes received a BS degree in agriculture from Purdue University in 1953. After serving two years as an officer in the U.S. Army, he entered veterinary college at the University of Illinois. Since 1961 he has been the director of Noyes Animal Hospital, an American Animal Hospital Association member hospital for 12 years. He has also been affiliated with the Quaker Oats Research Kennel in Barrington for the past 18 years, either on a consulting basis or as interim staff veterinarian. And for the past two years, he has served on the Squibb Veterinary Medical Advisory Council.

Dr. Noyes has been active in Illinois heartworm research for several years. He has served as chairman of the Illinois State Veterinary Medical Association (ISVMA) heartworm committee for seven years and has worked with **Dr. Ken Todd**, parasitologist at the UI, on research with the disease. **Dr. Noyes** is currently vice president and a director of the American Heartworm Society. He has spoken frequently on heartworm disease management, including presentations to AAHA and the American Heartworm Society, as well as in seven states and Canada.

In 1977 **Dr. Noyes** received the AAHA Region III Outstanding Practitioner Award. He has been active in local and state associations and UI alumni activities. **Dr. Noyes** is a past president, treasurer and director of the Chicago VMA and past secretary and treasurer of the Lake County Veterinary Medical Society. He serves on the ISVMA political coordination committee and is a charter member of the University of Illinois College of Veterinary Medicine Dean's Club.

DR. MARSH HAS OWNED AND operated a combination large and small animal practice at Princeton, Illinois since 1951. A native of Wisconsin, he completed his pre-veterinary training at the University of Wisconsin and then received his DVM degree from Iowa State University in 1943. He served in the Veterinary Corps in the South Pacific after graduation and earned the Bronze Star.

Before practicing in Princeton, **Dr. Marsh** practiced at Whitewater, Wisconsin from 1946 to 1951. The Princeton practice is a group practice, employing three veterinarians. It services the county seat and the surrounding rural area in one of the leading livestock areas of the country.

Dr. Marsh is a member of many professional organizations and a past president of the Illinois State Veterinary Medical Association (ISVMA) and the American Association of Bovine Practitioners. He is also a past chairman of the ISVMA Committee on Education and Research and the ISVMA Liaison Committee to the director of the Illinois Department of Agriculture. He is a member and past chairman of the AVMA Judicial Council, as well as past chairman of the AVMA Council on Education. **Dr. Marsh** serves on the veterinary medicine research and education committee of the National Academy of Science, and has served on the advisory committee to the Food and Drug Administration's Bureau of Veterinary Medicine. **Dr. Marsh** is also a member of the Squibb Veterinary Medical Advisory Council. In 1971, he received the Stange Veterinary Alumni Award from the Iowa State University College of Veterinary Medicine. He is a frequent speaker at continuing education programs all over the country.



Dr. Jack Noyes (left) receives the Alumni Award of Merit from Dr. Sheldon Rubin. BELOW: Dr. Herb Marsh (right) receives the Service Award from Dr. Sheldon Rubin.



NEXT ISSUE

Dr. Dale Nelson, associate professor in the Large Animal Clinic, experienced a once in a lifetime opportunity in October as he traveled to Communist China as the attending veterinarian with a planeload of hogs. In the next issue of Veterinary Report, we'll have a two-page spread excerpted from the fascinating diary he kept during his 11 days in China and illustrated with pictures.